

Docket No.: 42P17289



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

SHAHRIAR AHMED, ET AL.

Application No.: 10/715,971

Filed: November 17, 2003

For: **BIPOLAR JUNCTION TRANSISTOR** 

WITH IMPROVED EXTRINSIC BASE

**REGION AND METHOD OF** 

**FABRICATION** 

Art Group: 2812

Examiner:

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

It is hereby stated that no item of information contained in the Information Disclosure Statement was cited in a patent office in a counterpart application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual associated with the filing or prosecution of the subject application more than three months prior to the filing of the Information Disclosure Statement.

The references were cited in a Search Report dated February 8, 2005 (copy enclosed herewith) in a counterpart PCT application.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Date: 2 22

Respectfully submitted,

Blakely, Sokoloff, Taylor & Zafman LLP

Edwin H. Taylor, Reg. No. 25,129

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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Conny Willesen

Data



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Sheet 1 of

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	Complete if Known			
	Application Number	10/715,971		
	Filing Date	November 17, 2003		
	First Named Inventor	Shahriar Ahmed		
	Art Unit	2812		
	Examiner Name			
	Attorney Docket Number	42P17289		

			U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite No.'	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,250,448	10-05-1993	Hamasaki et al.	
		US-2002/0132438 A1	09-19-2002	Dunn et al.	
		US-2003/0136975 A1	07-24-2003	Coolbaugh et al.	
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	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵	
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY				
		DE 101 04 776 A1	08-22-2002	Infineon Technologies AG			
		EP 1 489 662 A2	12-22-2004	Samsung Electronics Co.			
		EP 1 394 861 A3	03-03-2004	Chartered Semiconductor Mfg.			
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Examiner	 Date	
Signature	Considered	

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&#</sup>x27;Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.



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## **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	42P17289

Application Number

First Named Inventor

Filing Date

Art Unit

Complete if Known

2812

10/715,971

November 17, 2003

Shahriar Ahmed

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ̈́²			
		Ida, Minoru et al., "Enhancement of fmax in InP/InGaAs HBT's by Selective MOCVD Growth of Heavily-Doped Extrinsic Base Regions," IEEE Trans on Elect Devices, Vol. 43, No. 11, Nov 1996, pgs. 1812-1817.	:			
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Examiner Date	
Signature	

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 08/11/2003. Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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